

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 December 2004 (29.12.2004)

PCT

(10) International Publication Number  
**WO 2004/113920 A1**

(51) International Patent Classification<sup>7</sup>: G01N 33/569,  
33/68, A61K 31/185, A61P 33/06

(21) International Application Number:  
PCT/GB2004/002604

(22) International Filing Date: 18 June 2004 (18.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0314114.0 18 June 2003 (18.06.2003) GB

(71) Applicants (for all designated States except US): MED-  
ICAL RESEARCH COUNCIL [GB/GB]; 20 Park  
Crescent, London W1B 1AL (GB). KING'S COLLEGE  
LONDON [GB/GB]; Strand, London WC2R 2LS (GB).

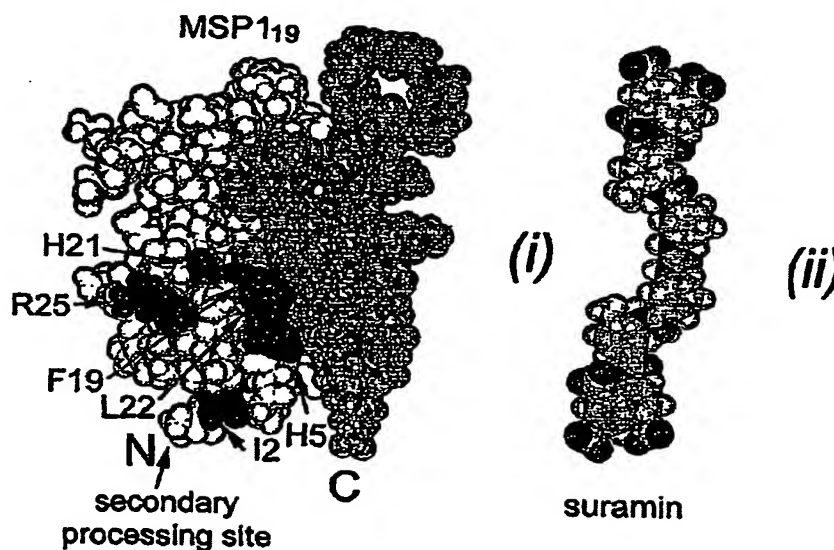
(72) Inventors; and

(75) Inventors/Applicants (for US only): DLUZEWSKI,  
Anton, Richard [GB/GB]; Peter Gorer Department of  
Immunobiology, Guy's Hospital, New Guy's House,  
London SE1 9RT (GB). HOLDER, Anthony, Arthur

[GB/GB]; MRC National Institute for Medical Research,  
The Ridgeway, Mill Hill, London NW7 1AA (GB). BIRD-  
SALL, Berry, Martin [US/GB]; MRC National Institute  
for Medical Research, The Ridgeway, Mill Hill, London  
NW7 1AA (GB). BABON, Jeff, James [AU/GB]; MRC  
National Institute for Medical Research, The Ridgeway,  
Mill Hill, London NW7 1AA (GB). MARTIN, Stephen,  
Richard [GB/GB]; MRC National Institute for Medi-  
cal Research, The Ridgeway, Mill Hill, London NW7  
1AA (GB). MORGAN, William, Dale [US/GB]; MRC  
National Institute for Medical Research, The Ridgeway,  
Mill Hill, London NW7 1AA (GB). FEENEY, James  
[GB/GB]; MRC National Institute for Medical Research,  
The Ridgeway, Mill Hill, London NW7 1AA (GB).  
BLACKMAN, Michael, John [GB/GB]; MRC National  
Institute for Medical Research, The Ridgeway, Mill Hill,  
London NW7 1AA (GB). FLECK, Suzanne, Lesley  
[GB/GB]; Medical Research Council Technology, 1-3  
Burtonhole Lane, Mill Hill, London NW7 1AD (GB).  
SAXTY, Barbara [GB/GB]; Medical Research Council  
Technology, 1-3 Burtonhole Lane, Mill Hill, London NW7  
1AD (GB).

[Continued on next page]

(54) Title: SCREENING METHOD FOR SUBSTANCES BINDING TO MEROZOITE SURFACE PROTEIN-1/42



(57) Abstract: Disclosed is a method of screening a test substance for possession of binding activity for possession of binding activity for MSP<sub>42</sub> or a fragment thereof, the method comprising the steps of: combining or contacting, in any order, (i) a molecule comprising MSP<sub>42</sub> or a fragment thereof, (ii) the test substance, and (iii) a comparison substance known to have binding activity for MSP<sub>42</sub> or a fragment thereof; and determining the presence and/or amount, if any, of comparison substance and/or test substance bound to the MSP<sub>42</sub> or fragment thereof.

BEST AVAILABLE COPY